

Dec. 30, 1924.

1,520,907

F. G. MARBACH

METAL CHEST

Filed Feb. 26, 1921

2 Sheets-Sheet 1

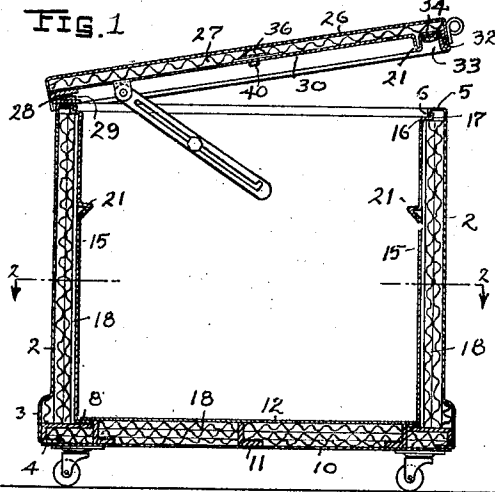
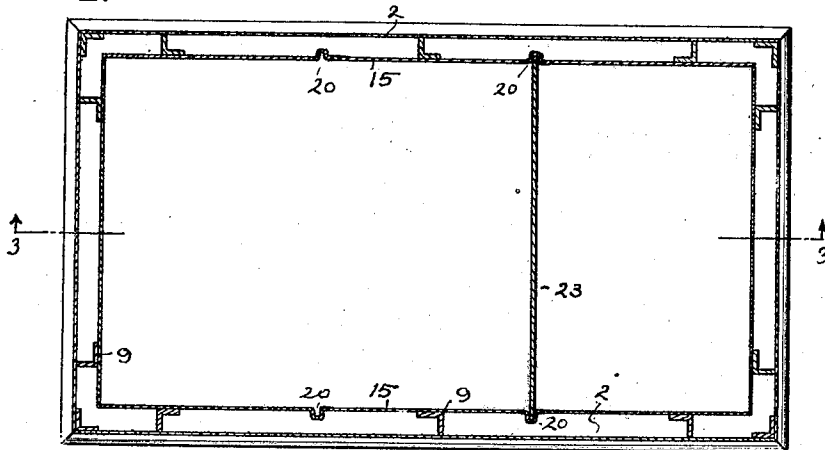
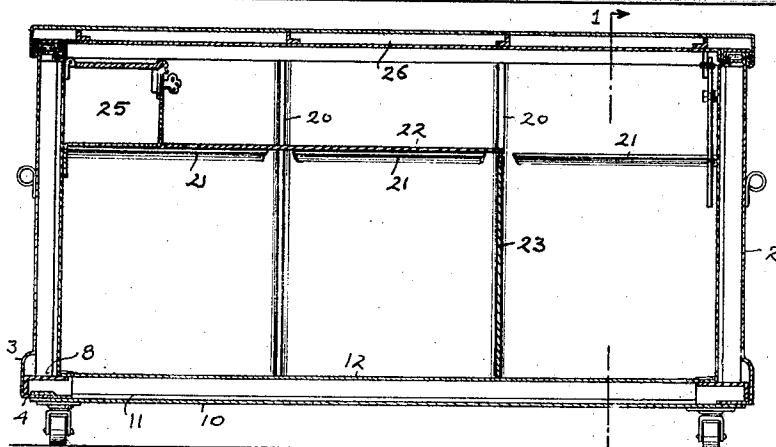


FIG. 2



Inventor
Frank G. Marbach

Fisher & Moser Attorneys

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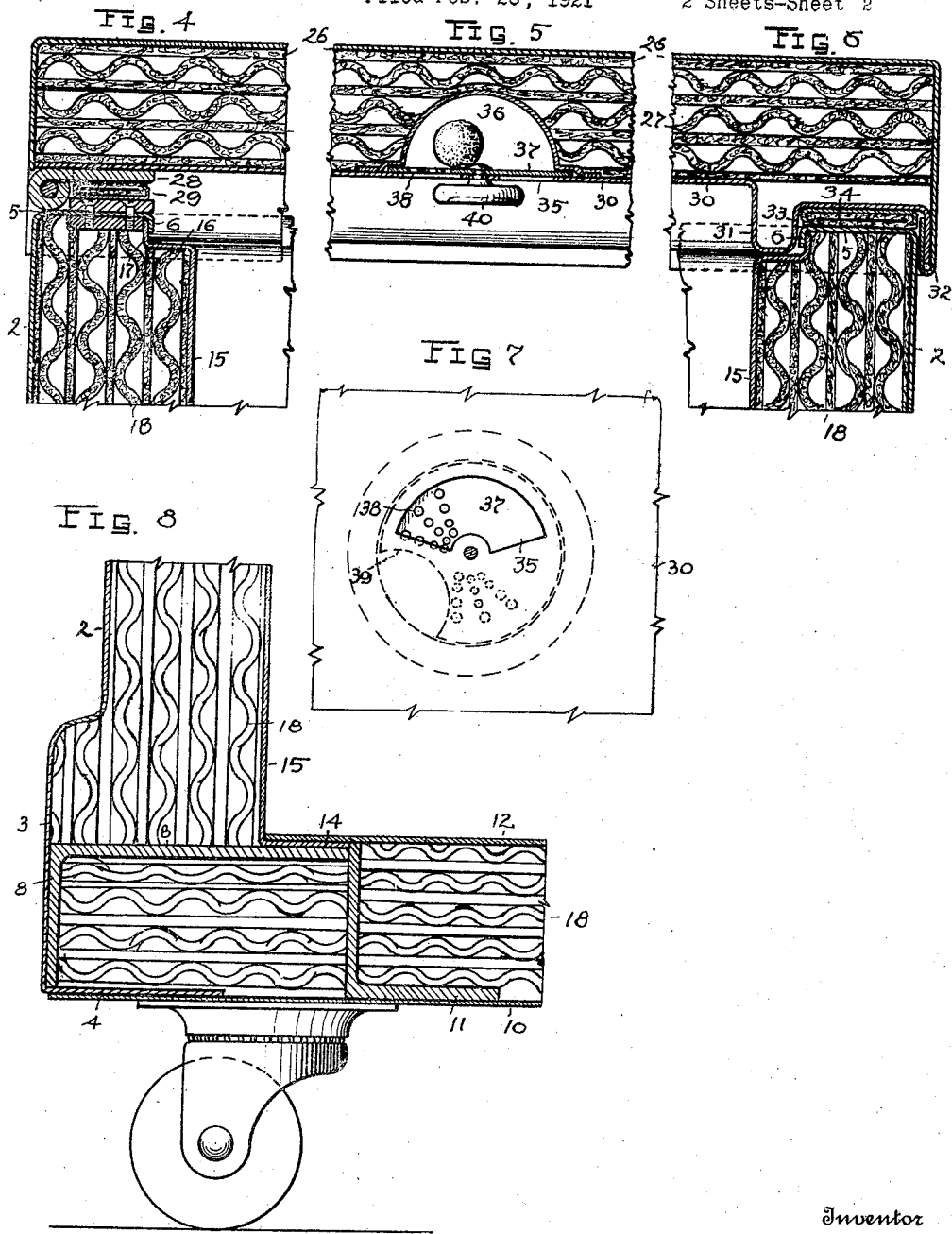
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2 Sheets-Sheet 2



Inventor

Frank G. Marbach

By *Finer & Co.*

Attorney

UNITED STATES PATENT OFFICE.

FRANK G. MARBACH, OF CLEVELAND, OHIO.

METAL CHEST.

Application filed February 26, 1921. Serial No. 448,135.

To all whom it may concern:

Be it known that I, FRANK G. MARBACH, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in a Metal Chest, of which the following is a specification.

My invention relates to an improvement in metal chests, the general object being to provide a fire-proof chest of handsome finish in which valuable articles, such as furs, clothing, papers, etc., may be safely stored. The chest is also particularly constructed on its interior with a valved pocket in which camphor or an odoriferous substance may be confined, and from which the fumes or odors may be released or shut-off alternatively. The chest is also made with double walls and the space between the walls is filled with cellular asbestos, and to avoid excess weight so that large-sized chests may be easily handled I use sheet-metal of relatively thin gauge to build up the walls of the chest and reenforce these thin walls with strips of angle iron, and also channel and rib the interior walls to strengthen them. These channels and ribs are also of utility in supporting division plates to provide separate vertical and horizontal compartments within the chest. The chest is also provided with a hollow hinged cover especially constructed to furnish a fire-proof joint.

In the accompanying drawings, Fig. 1 is a sectional view vertically and transversely through a chest constructed according to my invention, on line 1—1, of Fig. 3. Fig. 2 is a horizontal section of the chest on line 2—2, of Fig. 1. Fig. 3 is a vertical longitudinal section of the chest on line 3—3, of Fig. 2. Figs. 4, 5 and 6 are enlarged sectional detail views of the cover for the chest, showing the fire-proof hinge, the valve pocket, and the fire-proof joint, respectively. Fig. 7 shows a face view of the valve pocket within the cover. Fig. 8 is a vertical section, enlarged, showing the base construction of the chest at one corner where a staple support is required for a caster.

The invention comprises a chest of rectangular shape fabricated from thin sheet-metal stamped or pressed and secured together to provide hollow walls 2 at each side and end of the chest, each wall 2 being formed with an offset base portion 3 and an inturned bottom flange 4 and an inwardly-extending top flange 5 having a

short downwardly extending lip 6. The meeting edges of the front and side wall 2 are mitered and welded together, and pieces of angle-iron 8 are seated horizontally on the inturned flange 4 within offset 3 of each side wall 2. Vertical spacing and reinforcing pieces 9 of angle-iron rest upon angle-piece 8 at the inner side of each wall 2 at spaced intervals, and a bottom plate 10 is fixed or welded to flanges 4. Strips of angle-iron 11 reinforce this bottom plate 10, and a false bottom 12 of thin sheet metal is supported by the angle irons 11. The false bottom 12 overlaps and rests upon inwardly-turned flanges 14 of the interior wall or sheets 15 and which sheets are also formed at their upper edges with short outwardly-extending flanges 16 and a short lip 17 adapted to be interlocked with the lips 6 of the side and outer walls 2.

The spaces between the outer and inner walls 2 and 15, respectively, and the two bottom plates 10 and 12, respectively, are filled with cellular asbestos 18. The inner longitudinal walls 15 are also provided with vertical ribs and channels 20 pressed from the stock at spaced intervals, and a series of horizontal ribs 21 are also pressed in the same walls to provide rests or seats for a horizontal division plate 22. One or more vertical divisional plates 23 may be inserted within the vertical channels 20 to divide the interior of the chest into separate compartments. A separate safe or small compartment 25 may also be formed at one end of the chest, if desired.

A hollow cover 26 lined with cellular asbestos 27 is secured to the longitudinal upper edge of one of the side walls 2 by means of a piano hinge 28, see Fig. 4, and a thin strip of asbestos 29 is affixed to one of the leaves of this hinge to seal the joint and make the chest fire-proof at this point. The inner wall or plate 30 of the cover is also stamped or pressed with a bead or rib 31 extending parallel with an end flange 32 so as to provide a recess or channel 33 within which the narrow flange portion 5 of the end walls and the front wall 2 is adapted to be seated, and in order to make a fire-proof joint along all the border edges of the cover, I seat or secure a strip of asbestos 34 within the recess or channel 31 of the cover, see Fig. 6. The inside plate 30 of the cover is provided with a semi-circular opening 35 directly opposite a cup-shaped receptacle 36 affixed to

said plate 30 within the hollow space in the cover. A flat round disk 37 having perforations 38 over a portion of its face and a large notch 39 in one edge, is mounted in a rotatable position at one side of plate 30 at the front or open side of receptacle 36. Disk 37 has a thumb piece 40 to rotate it so that the perforations 38 may be either covered or opened, and by rotating the disk to bring its notch 39 opposite the semi-circular opening 35 the interior receptacle 36 becomes accessible, and a disinfectant, deodorizer or odoriferous substance may be placed therein. When the disk is turned to a closed position the substances placed within the receptacle are safely confined therein, although the odors may be permitted to escape in a greater or less degree by opening and exposing the perforations in the disk.

What I claim is:

1. A chest having inner and outer walls and reinforcing spacing strips of metal between said walls, and sheets of cellular asbestos

filling the spaces between said walls and said reinforcing strips, and a hollow hinged cover for said chest having a cellular interlining of asbestos, and said chest being provided in one upper corner thereof with a receptacle and the inner side walls of said chest having horizontal ribs for seating a horizontal portion adjacent said receptacle.

2. A chest having a hinged cover, the walls of said chest being made of separate sheets of metal flanged and interlocked in spaced relations and offset at the base to provide hollow walls with an offset base, reinforcing angles within the offset base portion, and a false bottom resting upon said angles, and said hollow walls embodying reinforcing strips of metal and cellular asbestos.

Signed at Cleveland, in the county of Cuyahoga and State of Ohio, this 17 day of January, 1921.

FRANK G. MARBACH.